

## SBIR 2005 PH II By Company

COMPANY	TOPIC	TITLE
2Phase Technologies, Inc.	A03-045	Depot and Field-deployable Reconfigurable Tooling Systems for Repair, Replacement, Prototyping and Low-Rate Production of Composite Parts
Acellent Technologies, Inc.	A04-163	Autonomous Self-powered (ASP) Structural Health Monitoring system
ADA Technologies, Inc.	A04-153	System for Tactical Display of Miniature Smart Sensors
Adiabatics, Inc.	A04-250	Development of Endurable Thermal Barrier Coatings for Diesel Engine Specific Heat Reduction
Advanced Rotorcraft Technology, Inc.	A04-089	Ducted Fan Model for Real-Time Rotorcraft Flight Simulation
Advanced Science and Automation Corp.	A04-238	Coupled Multibody Dynamics and Computational Fluid Dynamics Simulation of Liquid Sloshing for Tanker Vehicles
Advanced Sensor Technologies, Inc.	A04-201	Novel Routes of Drug Administration to Enhance Compliance in Soldiers
Advanced Technologies Group, Inc.	A04-040	A Non-Contacting, Compliant Seal for Improved Turbine Engine Performance
Aegis Technology	A02-072	Light Weight Material for Ballistic Armor
AeroVironment Inc.	A04-249	Advanced Military Hybrid Technology
Aginova Inc	A04-164	In-situ Smart Corrosion Sensors for Army Missile Systems
American GNC Corporation	A04-011	Wireless Wide Area Networked Precision Geolocation for Combat Decision Aids System
Amethyst Research Incorporated	A04-119	Passivation of Dislocation Defects by Hydrogenation for High Performance Longwave Infrared (LWIR) HgCdTe on Silicon
Amsen Technologies LLC	A04-050	Composite Proton Exchange Membranes for Multifunctional Power Generating Structures
Anacapa Sciences, Inc.	A04-078	Obstacle Display for Hover in Degraded Visual Environments
Analatom Incorporated	A04-158	Unmanned Air Vehicles Diagnostics/Prognostics
Analytical Engineering Inc.	A04-250	Development of Endurable Thermal Barrier Coatings for Diesel Engine Specific Heat Reduction
ANP Technologies, Inc.	A04-192	Novel Protein Nanodelivery Systems for Biological Agent Countermeasures
APECOR	A04-240	Compact, High-Power, High-Voltage, Bidirectional DC-DC Converter
Applied Perception, Inc.	A04-038	Soldier Universal Robot Controller
Aptima, Inc.	A04-030	Shared Understanding Across Levels of Command
Aptima, Inc.	A04-032	New Technologies for Growing Leaders: Assessment of Wisdom
Aptima, Inc.	A04-037	PERSUADE: PERSonnel-based Unit of Action Design Environment
Architecture Technology Corporation	A04-136	STAMINA (Survivable Tactical Ad hoc Mobile Network Architectures)
Arete Associates	A03-111	Near infrared streak tube imaging lidar receiver
ASPEN PRODUCTS GROUP, INC.	A03-028	Compact Fuel Processor for 2 kW Solid Oxide Fuel Cell
Astron Wireless Technologies, Inc.	A04-005	Adaptive Bandwidth High Power RF Antenna
Bioren	CBD04-105	Automated Rational Design of Antibodies
BlazeTech Corp.	A03-132	Modeling and Simulation of Chemical and Biological Agents in Potable Water Systems
Bossa Nova Technologies	A04-232	Fast rotatable and variable ceramic programmable waveplate for visible and NIR polarization imaging
Boulder Nonlinear Systems, Inc.	A03-064	A Liquid-Crystal on Silicon Infrared Scene Projector

Brimrose Corporation of America	A03-047	Long Wave Infrared Acousto-Optic Materials: Development of Novel Materials for the Fabrication of LWIR (8-12 micron) Acousto-optic Tunable Filters for Imaging Applications
Brimrose Corporation of America	A04-118	Acoustic Landmine Detection: INTERFEROMETER-LESS PULSED LASER VIBROMETER FOR LANDMINE DETECTION
Brookhaven Technology Group, Inc.	A04-053	Controllable Direct Electrical Conversion of Isotopic Radiation
Carlyle Consulting	A01-146	Nondestructive Testing for Service Life Prediction of Reinforced Concrete Structures
Ceramatec, Inc.	A04-052	Sodium-Air Batteries Based on Sodium Super-Ionic Conducting Electrolyte
CeraNova Corporation	A04-170	Consolidation of Nanograin Ceramics
Cermet, Inc.	A04-068	ZnO Based Light Emitters for UV/Blue Applications
CFD Research Corporation	A04-139	A Novel, Bio-inspired Advanced Microfluidic Power System (BioAMPS)
CG2, Inc., a Quantum3D Company	A03-083	Military 3-D Visualization Utilizing Gaming Technology
Charles River Analytics Inc.	A04-011	Architecture for Decision-Aid Development and Deployment (AD3)
Charles River Analytics Inc.	A04-055	Situation Understanding and Reasoning Evaluation (SURE) Toolkit
Charles River Analytics Inc.	A04-092	Multimodal Interface Toolkit for UAV Systems (MITUS)
Charles River Analytics Inc.	A04-100	Mobile Agent Network Topology and Routing Adaptation (MANTRA)
Charles River Analytics Inc.	A04-108	Building Interfaces for Operator-in-the-Loop Data Fusion (BIFOLD)
Charles River Analytics Inc.	A04-125	Non-uniform Correction Algorithm Suite (NUCAS)
Charles River Analytics Inc.	A04-166	Evaluation Testbed for ATD/T Performance Prediction (ETAPP)
Chesapeake PERL, Inc.	CBD03-106	Improved Protein Manufacturing in Insect Expression Systems
CHI Systems, Inc.	A04-011	Common Technical/Tactical Fire Control Interface (CT2FC)
Ciphergen Biosystems, Inc.	A04-063	Identification and Characterization of Molecular Inhibitors of Cognitive Performance
Cognitive Concepts	MDA 03-060	Model-Based Specification and Testing for Rapid Software Transition
Coherent Technologies, Inc.	A03-107	Landmine Detection
Coherent Technologies, Inc.	A04-072	Low-Cost Portable Lidar Wind Profiler
Coherent Technologies, Inc.	A04-159	Variable-Resolution Compact 3D Range Imaging Ladar
Coherent Technologies, Inc.	A04-203	Compact, Low Cost, Real-Time Lidar Wind Sensor
Collide Inc	A03-207	Multi-Resolution Representations and Simulation of Large Terrain Models
Combustion Research and Flow Technology, Inc.	A04-173	Alternate Scramjet Fuel Modeling and Evaluation
Community Power Corporation	A04-211	Onsite Field-Feeding Waste to Energy Converter
Composites Research & Advanced Materials, Inc.	A03-225	Computational Modeling of Nanocomposite Structures
Computational Diagnostics, Inc.	A04-200	Volume Conduction Invasive Medical Data Communication System
Continuum Dynamics, Inc.	A04-075	A Hybrid Optical/GPS System for UAV Formation Flight Control
Continuum Dynamics, Inc.	A04-085	Advanced Rotorcraft Brownout Aerodynamic Analysis and Flight Simulation
Cybernet Systems Corporation	A04-011	Modular Agent-Based Component Architecture
DECISIVE ANALYTICS Corporation	A04-011	Innovative Intelligent Agent and Cognitive Decision Aids Component Technology
Diversified Technologies, Inc.	A04-059	Macro-Fiber-Composite Power Module
Domzalski Machine	A04-082	Advanced Flow Control Actuators for Fuselage Drag Reduction
Drasgow Consulting Group LLC	A04-029	Computer-Adaptive Assessment of Temperament to Support Personnel Selection and Classification Decisions

Eclipse Energy Systems, Inc.	A04-044	Flexible Transparent Conducting Films
EIC Laboratories, Inc.	A04-204	High Performance Rechargeable Li-ion Conformal Battery
Electrodynamics Associates, Inc.	A04-241	Compact, Efficient Electric Propulsion Motor for Multiple Applications
EMAG Technologies, Inc.	A02-057	Hybridized Full Wave - Asymptotic Electromagnetic (EM) Computational Engine for Antenna Computer Aided Design (CAD)
Engineered Coatings, Inc.	A04-006	Thick PVD Cermet and Graded DLC Coatings for Lubrication-Free Weapon Parts
Envimetrics	A04-057	LIBS Sensitivity Enhancement by Microwave Plasma Spectroscopy
EOSPACE Inc	A04-035	Photonic Multi-Channel Transmit/Receive Integrated Phase and Amplitude Controller
EPIR Technologies Inc	A04-119	High Performance Longwave Infrared (LWIR) HgCdTe on Silicon
Falcon Systems Engineering Corporation	A04-225	High-Fidelity Multi-Spectral Targets for Gunnery Training
Fibertek, Inc.	A03-048	Ultra-Compact Doppler LIDAR (Light Detection and Ranging) for Unmanned Aerial/Ground Vehicles
Foam Matrix Inc.	A04-231	Composite Structures for Ballistic Protection
Forterra Systems, Inc.	A04-182	Medical Simulation Training for First Response to Chemical, Biological, Radiological, Nuclear Events
Front Edge Technology, Inc.	N04-120	Portable, lightweight, amalgamated thin-film photovoltaic/battery combination
General Sciences, Incorporated	A04-041	Multipurpose Reactive Materials
GHKN Engineering, LLC	A04-174	An Integrated Thrust Control Solution
Global Embedded Technologies, Inc.	A03-237	Heavy Duty Vehicles Cold Starting System
Greenlees Filter, LLC	A04-242	Active Acoustic Cleaning System for Wheeled and Tracked Vehicles' Engine Intake Filters
HEM Technologies	A04-221	High Power Microwaves
Hittite Microwave Corporation	A03-150	High Speed X-Band Single Pole 4 Throw Switch
HYPRES. Inc.	A04-133	Ultrafast digital switch matrix for programmable routing and distribution of digitized RF signals
I Technology Applications	A04-232	Spectral and Polarization Imager for Ground Vehicle Applications
Impact Technologies, LLC	A03-074	A Comprehensive Health and Usage Monitoring System (HUMS) for Unmanned Aerial Vehicles
Impact Technologies, LLC	A04-061	Stochastic Pursuit-Evasion Differential Games for Autonomous Vehicles
InBios International	A04-177	Field Deployable Diagnostic Test for Active Cutaneous Leishmania and a Test for Latent Infection
INFINIA CORPORATION	A04-098	Power The Force: Future Force Power Systems- Critical Enabler for Army Transformation
Inflexxion, Inc.	A04-185	Our Strength in Families (OSiF): A Web-based Interactive Coping Skill and Resiliency Program for Military Families
Information Systems Technologies, Inc.	A03-001	A joint Feature Extraction and Data Compression Method For Low Bit Rate Transmission In Distributed Acoustic Sensor Environments
Infoscitex Corporation	A04-259	Clean Burning Gasifier to Produce Tar-Free Gas for Internal Combustion Engines
Innalabs Inc.	A03-202	High-Precision, Expendable, Six Degree-of-Freedom Sensor
Insightful Corporation	A04-151	GeoText
Intelligent Automation, Inc.	A03-156	UWB Muscle Water Content Sensor

Intelligent Automation, Inc.	A04-061	Novel Approaches to Stochastic Pursuit-Evasion Differential Games with multiple players
Intelligent Automation, Inc.	A04-064	Agent Based Distributed and Cooperative Intrusion Detection for Mobile Ad Hoc Networks
Intelligent Automation, Inc.	A04-096	DEC-POMDP Stochastic Game Approach for Uncertain MultiAgent Systems
Intelligent Systems Technology, Inc.	A04-094	AgileTecture™: A Methodology and Toolkit for Agile Design and Dynamic Reconfiguration of C4ISR Architectures
Invercon, LLC	A04-086	Novel, High-Authority Flap Actuation Concepts using Single Crystal Stacks
IPITEK	A04-065	Innovative Hosts for Bacteriorhodopsin-Based Optical Memory
JADI, Inc	A02-230	Unified Intelligent Motion Planning and Control Scheme for Omni-Directional Vehicles
JEM Engineering, LLC	A04-138	Survivable Ballistic Antenna Radome
jjw consulting,inc.	A04-128	High Efficiency Monolithic Microwave Integrated Circuit (MMIC) Power Amplifiers For SATCOM
Kent Displays Incorporated	A04-033	Self Powered Cholesteric Reflective Flexible Displays
KiteShip Corporation	A04-213	Low Drag, Low Cost Suspension Line Technology for Parachutes
Knowledge Based Systems, Inc.	A04-043	Manpower and Personnel Estimation Methods for Post-Deployment Software Maintenance
Kutta Consulting, Inc.	A04-135	Subterranean Communications for First Responders and the Military
Loki, Incorporated	A04-221	High Power Microwaves
Luna Innovations Incorporated	A03-172	Isolation of Focal Adhesion Kinase-specific Modulators
Luna Innovations Incorporated	A04-190	Novel Antimicrobial Nanocomposite Bone Graft Material Phase II
Luna Innovations Incorporated	A04-206	Enhancement of Fluorescence in Protease Assays for Biowarfare Toxins
Luna Innovations Incorporated	A04-236	Mobile Parts Hospital NDE/Materials Characterization Checkout Center
Lynntech, Inc.	A04-069	Direct Ammonia-Borane Alkaline Fuel Cell with In Situ Electrolyte Replacement
Lynntech, Inc.	A04-149	Covert Engineering Techniques Using Electrokinetic Technology
M Cubed Technologies, Inc.	A03-179	Durable, High Performance Personnel Armor Plates for Current and Next Generation Threats
M3TECHCENTER, LLC	A04-235	MEMS Testing Simulator
Mainstream Engineering Corporation	A04-210	Demonstration of an Integrated Solar-Powered Multi-Temperature Refrigerated Container System
MAK Technologies	A04-205	Smart Terrain for Autonomous Agent Applications
Makel Engineering, Inc.	A03-232	Point of Use Oil Quality Analysis
Materials & Electrochemical Research (MER) Corp.	A03-199	FMG Cryolite/Composite Structure for Improved Hazardous Chemical Handling
Materials & Electrochemical Research (MER) Corp.	A04-013	Corrosion Resistant Squeeze Cast Net Shape Magnesium Composite Components
Materials & Electrochemical Research (MER) Corp.	A04-046	Sialon for Monolithic Ceramic Gun Barrel Liners
Materials & Electrochemical Research (MER) Corp.	A04-046	Silicon Nitride Based Ceramic Tubes for Gun Barrel Applications
Materials Sciences Corporation	A04-171	High Strength Nanomaterials Fiber for Lightweight Composite Missile Cases (MSC P5019)
MATERIALS TECHNOLOGIES CORPORATION	A03-073	SMART DAMPER FOR HELICOPTER MAIN ROTORS
MaxPower, Inc.	A04-008	Long Storage Life Active Battery

Mechanical Solutions, Inc.	A04-010	Innovative Wall Penetration Munition
MegaWave Corporation	A04-131	RF (Radio Frequency) Communications for Unattended Ground Sensor and Munition Systems
Metal Storm, Inc	A02-021	Metal Storm Crowd Control System
METSS Corporation	A04-091	Crashworthy Ballistic Tolerant Fuel Tank Weight Reduction
Micro Analysis and Design, Inc.	A03-036	Human Behavior Architecture Interface for Integrated Cognitive and Task Performance Model Development
Microchip Biotechnologies	CBD04-106	NanoBioSentinel System
MicroEnergy Technologies Inc.	A04-147	Capture and Kill MicroStructured Oriented Fiber (MOF) Filter
Mid Michigan Research	A04-233	Development of a Robust MEMs Based Micro Technology Engine Management and Health Monitoring System
Milcord LLC	A04-145	Course-of-Action Forecasting
Military Systems Technologies, LLC	A03-145	Particulate Impact/Erosion Phenomena and Materials Failure for Supersonic KVs
MillenWorks	A04-244	Advanced Suspension Characterization Test Fixture
Millitech LLC	A04-134	Multi-Band Satellite Terminal Feed Development
Milow Ltd.	A03-231	Develop New Innovative Filtration Designs and Components for Improved Service Life, Performance and Durability
Mirum Corporation	OSD 02-CRO	The Multicultural Leadership Assessment and Training Program (MLAT): Growing skills for leader effectiveness in multicultural and multinational environments
Missile Systems & Technologies, Inc	A04-219	Advanced Guidance, Navigation and Control (GNC) Algorithm Development to Enhance the Lethality of Interceptors Against Maneuvering Targets
MKP Structural Design Associates, Inc.	A04-231	A Novel Concept of Lightweight Composite Armor for Ballistic Protection of Tactical Vehicles
Modus Operandi, Inc.	N03-077	SE-Wave Threat Driven Deployment for Army C4ISR
MOLECULAR EXPRESS, INC.	A04-071	Repair, Regeneration, and Differentiation in Humans
Morgan Research Corporation	A04-023	Microsystems Technology (MST) for Fuzing in Low-Spin/Low-G Launch Environment
MTS Technologies	A04-257	Advanced Military Trailer Technology
NanoDynamics, Inc. (NDI)	A04-140	Low-Cost Carbon Nanotubes for Infrared Obscurants
NetworkFab Corporation	A04-106	Integrated Wideband Signal Intelligence (SIGINT) Sensor
NextGen Aeronautics	A03-142	Advanced Structural Optimization Using Genetic Algorithm and Neural Network
Nomadics, Inc.	A04-187	Nanoparticle Self-Lighting Photodynamic Therapy For Ovarian Cancer Treatment
Nova Engineering, Inc.	A04-143	Self Calibrating, Self Locating Seismic-Acoustic Sensor System
NovaWave Technologies	A03-130	Real-time, Ultrasensitive Water Supply System Biosensor
NovaWave Technologies	A04-146	Real-Time Single Particle Bioaerosol Detector
NVE Corp. (formerly Nonvolatile Electronics, Inc.)	A04-169	Magnetic Anti-tamper Sensor
Ocean Nanotech, LLC	A04-209	Fabrication of Azobenzene Mesoporous Films with Large Photoanisotropy for Laser Eye and Sensor Protection
Ocean Systems Engineering Corporation (OSEC)	A04-060	IMPROVISED EXPLOSIVE DEVICES (IED) NEUTRALIZATION AND DETECTION (INDET)

Oceanit Laboratories, Inc.	A04-115	Mobile Sensor Systems for Intelligence Collection Using Doppler Shifting of Existing Communication Technology
OPNET Technologies	A03-113	Terrain Aware Network Planning Tools
Optechnology, Inc.	A04-176	Strategically Tuned Absolutely Resilient Structures
Opto-Knowledge Systems, Inc. (OKSI)	A04-161	Piezo Torquer Mechanism for Seeker Gimbal Cost Reduction
Orbital Technologies Corporation (ORBITEC)	A03-154	Constant Mixture Expulsion Tank System (COMET)
Payload Systems Inc.	A04-184	Hemorrhage Control for Non-Compressible Extremity Injuries
Peregrine Power LLC	A04-098	Power Conversion Using Silicon Carbide
Phase IV Systems, Inc.	A04-155	Low Cost Adaptive/Programmable Waveform Generator
Physical Optics Corporation	A04-004	Self-Powered Incapacitator
Physical Optics Corporation	A04-018	Real-Time Stereoscopic Catadioptric Omni-Detection System
Physical Optics Corporation	A04-024	Scanning Second-Order Holographic Laser Acoustic System
Physical Optics Corporation	A04-070	Standoff LIBS Element Detection Sensor
Physical Optics Corporation	A04-097	Self-Mixing Interferometric Speedometer
Physical Optics Corporation	A04-123	Viewbox Enhanced Wave-Guided Helmet Mounted Display Visor Optics
Physical Optics Corporation	A04-152	Soil Texture Classification Imaging System
Physical Optics Corporation	A04-162	GPU Intensive Modular Cluster Rendering for Hardware In-the-Loop Sensor Simulation
Physical Optics Corporation	A04-191	Waveguided Holographic Infrared Soldier-Mounted Eye Tracker
Physical Optics Corporation	A04-215	Self-Healing Textile-Based Autonomous Reconfigurable Network
Physical Optics Corporation	A04-230	Organically Modified Sol-Gel Nanocomposite for Lightweight Optically Clear Armor Protection
Physical Sciences Inc.	A04-026	An Innovative Confined Space Blast Wave Measurement System
Physical Sciences Inc.	A04-076	Imaging Sensor Constellation for Tomographic Chemical Plume Mapping
Physical Sciences Inc.	CBD03-102	AOTF Based Imaging Sensor for Enhanced Stand-off Chemical Detection
Polaris Sensor Technologies, Inc.	A04-167	Low Cost Semi Active Laser Seeker
Polaris Sensor Technologies, Inc.	A04-220	Passive, Active Stokes Polarization Imaging System
Polaris Sensor Technologies, Inc.	A04-232	Polarimetric Sensors for Robotic Vehicle Perception
Power of Design	A04-251	HRC™ Modular Generic Converter
Precision Control Design, Inc.	A03-169	Programmable Wrist-Worn Prediction Model and Environmental Stress Monitor
ProLogic, Inc	A04-011	Innovative Intelligent Agent and Cognitive Decision Aids Component Technology
Propagation Research Associates	A04-154	Feasibility Demonstration for the Precision Pulse Positioning System (3PS)
Propulsion Research Inc.	A03-149	A Throttling Solid Propellant Rocket Motor with Adaptive Thrust Control
Protein Sciences Corporation	CBD03-106	Improved Protein Manufacturing in Insect Expression Systems
Quantum Applied Science and Research Inc.	A04-252	Hands-Free Electromyographic Control of a UGV
Quintessence Photonics Corporation	A04-049	Spectrally Tailored High Efficiency Long Wave Pumps for Eye-Safe Solid-State Lasers
Radiance Technologies Inc.	A04-218	Enhanced Lethality Munitions for Army Applications
RallyPoint, Inc.	A04-216	Computer Input Devices and Embedded Sensors in Future Warrior Handwear (Gloves)
Reaction Engineering International	A04-237	A Software Framework for Blast Event Simulation
Realtime Technologies, Inc.	A04-239	Multi-Resolution Modeling of Ground Platform Dynamic Performance and Mobility

Redondo Optics, Inc.	A04-142	Airborne Fluorescence Lifetime Imaging System for Remote Sensing of Chemical
Remcom Inc.	A03-038	True Time Delay Multiple Beam Antenna System Design Tool
Remcom Inc.	A04-131	Radio Frequency Communications for Unattended Ground Sensor and Munitions Systems
Research Applications, Inc.	A04-087	Improved Models for Coated CMC Components with Severe Thermal Gradients
Research Network Inc	A04-223	Distributed and Collaborative Information Environment for Embedded After Action Review Technologies
Reveo, Inc.	A04-069	Compact Alkaline Fuel Cell System
RH Lyon Corp	A04-148	Remote Acoustical Reconstruction of Cave and Pipe Geometries
Robotics Research Corporation	A04-011	Innovative Intelligent Agent and Cognitive Decision Aids Component Technology
SAFE, Inc.	A04-195	A Modular, Lightweight, Removable Ballistic Protection System for Aviation Helmets
San Diego Research Center, Incorporated	A04-127	Versatile Modeling and Simulation Tool for Directional Networked Communications Systems
Scalable Network Technologies Inc	A04-132	Scalable, Multi-Paradigm Modeling Framework for accurate analysis of large, next generation networks
Science and Technology Corporation	A04-015	Development of a Person-Portable GPS-Mounted Internet-Ready Explosive Sensor
Scientific Systems Company, Inc	A04-011	Localization of Land-Mobile Communication Transmitters
Seacoast Science, Inc	A03-053	Detection of Drugs/Narcotics and Processing Components Using
Sensor Electronic Technology, Inc.	A04-048	InGaN-Channel Heterostructure Field Effect Transistor With Double Recessed Gate for Improved RF Performance
Sensors Unlimited, Inc.	A04-116	A 1920x1080 Pixel Visible and Shortwave Infrared Focal Plane Array and Camera for Night Vision Imaging
Sentar, Inc.	A04-011	Logistics Agent-based Algorithm Test-bed (LAAT)
Sentient Corporation	A04-077	Prognostic Wear Prediction Tool for BlackHawk Hanger Bearings
SET Associates Corporation	A04-126	Shape and Motion Encoded Methods for Automatic/Assisted Recognition of Human Intent in IR Images
Siloam Biosciences LLC	A04-179	A Handheld Monitoring System For Biomarkers Of Response From Blood
SIMmersion LLC	A04-182	Medical Simulation Training for First Response to Chemical, Biological, Radiological, Nuclear Events
Simmetrix, Inc.	A04-047	The Multiscale Simulation Application Suite
SimQuest International LLC	A04-193	Simulation-Based Open Surgery Training System (SOSTS)
Skiametrics, Inc.	A04-022	The X-ray Mega-Volt X-Ray Digital Imaging Inspection System
Soar Technology, Inc.	A04-081	Automated Air Traffic Control (ATC)
Soar Technology, Inc.	A04-096	Robotic Command and Control Intelligent Enablers
Soar Technology, Inc.	A04-226	Intelligent Agents for Real-Time Story Adaptation for Training Assessment
Sound Innovations Inc	A04-199	An Active Noise Reduction Communication Earplug for Helicopter Crew
South Bay Science and Technology Corp	A04-141	Ultra-Compact Carbon Dioxide Laser For Chemical Sensor
Space Hardware Optimization Technology, Inc.	A04-021	On-Board Recorder for Data Acquisition During Firing and Flight of Projectiles

Space Hardware Optimization Technology, Inc.	A04-214	High Efficiency Shelter Lighting Utilizing Solid State Illumination Technology
Spectral Imaging Laboratory	A04-070	High Sensitivity Standoff LIBS Technology
Spectral Sciences, Inc.	A04-168	FASPEC-Fast Adaptive Spectrometer Programmable for the Evaluation of Combustion
Sporian Microsystems, Inc.	A04-175	A Highly Integrated Multifunctional Optical Sensor for Monitoring Weapons Health
Stone Engineeing Company	A04-156	On-Demand Gas Generator with Real-Time, Open-Loop Control System for Gel Propulsion
Stream Processors, Inc.	A04-025	High-Performance DSP Development Platform for Real-time Multi-mode Remote Sensing Applications
Sun BioMedical Technologies	A04-198	High-Throughput Proteomics Strategy for Detection and Identification of Biomarkers of Malaria Exposure
SunDanzer Development Incorporated	A04-210	Solar Refrigeration
Surfaces Research and Applications, Incorporated	A04-254	Preservative/Break-in Lubricating Oil
Surmet Corporation	A04-157	Protective Coating for ZnS Windows & Domes
SVT Associates, Inc.	A04-048	AlInGaN-based Transistors for Advanced Applications
SVT Associates, Inc.	A04-068	ZnO Based Light Emitters for UV/Blue Applications
Tanner Research, Inc.	MDA02-048	Mass Fabricated Tunable Optical Filtering for Micro Miniature Multi-Mode and Hyperspectral Sensors
TDA Research, Inc.	A04-245	Novel Adsorbents for Desulfurization of High Sulfur Battlefield Fuels
Technical Solutions, Inc.	A04-011	Innovative Intelligent Agent and Cognitive Decision Aids Component Technology
Technology Service Corporation	A04-112	Ultra-Lightweight Moving Target Indicator (MTI) Radar for Unattended Ground Sensors (UGS) and Organic Aerial Vehicles (OAV)
Techno-Sciences, Inc.	A04-086	Single Crystal Piezoelectric Actuators for Rotorcraft
TerraSim, Inc	A03-205	Software Tools for Modeling Urban Details
TES International LLC	A04-247	Complex Electronics Packaging Thermal/Signature Management Design Tool
Texas Research Institute Austin, Inc.	A04-020	Rapidly Emplaced Devices to Attach Sensors/Demolitions to Structures
The Haleakala Research & Development Inc.	A04-005	Two Nested Plasma Antennas and Two Stacked Plasma Antenna Arrays at VHF/UHF and HF/VHF Antenna Arrays at VHF/UHF and HF/VHF
Think-A-Move	A04-252	A Hands-Free Human/Robot Interface for Soldiers in the Field Based on Aural Flow Monitoring
TIAX LLC	A04-255	Assured Operational Mobility Across Gaps for the Future Combat Systems/Future Force) FCS/FF
Touch of Life Technologies	A04-193	Simulation-Based Open Surgery Training System (SOSTS)
Toyon Research Corp.	A03-017	Agents In Decision Aiding Systems (AIDA System)
Translume	A04-242	Filter with integrated condition monitoring sensor
Universal Display Corporation	A04-102	Full Color, Flexible, Day/Nighttime Displays for Mobile Battle Command Environments
ventana research	A03-181	Self-Decontaminating Barrier Material Incorporating Catalytically Reactive Membranes for Individual and Collective Protection on a Chemically/Biologically Contaminated Battlefield
Versatile Information Systems, Inc.	A04-105	A Situation Development Architecture and its Relation to a New Fusion Process Model



VISCA, LLC	A04-256	Multi-Power Source for MEMS Packaging
Wavefront Research, Inc.	A04-120	HIGH PERFORMANCE COMPACT LIGHTWEIGHT LWIR HYPERSPECTRAL IMAGER
ZN Technology, Inc.	A04-068	ZnO UV-Blue Light Emitters on High Quality ZnO